

Testing Date	18-May-16
Ambient Temperature	26 ± 2°C
Document No.	KST-PV13S8P-NSE-01

Battery Pack Specifications

Cell Model	KinStar INR18650SE
Configuration	8P13S
Nominal Capacity	20Ah
Minimum Capacity	19.2Ah
Nominal Voltage	46.8V
Nominal Energy Content	936Wh
Charge Voltage	54.6V
Standard Charge Current	4A
Max. Charge Current	10A
Max. Continuous Discharge Current	25A
Peak Discharge Current	50A
Discharge Cut-off Voltage	35.75V
Gross Weight (Approx.)	5.35KG
Dimensions	74×155×260mm
Charge Connector	Female XT60
Discharge Connector	Female XT60
Operating Temperature	Charge: 0°C to 45°C Discharge: -20°C to 60°C

Li-ion 48V 20Ah Battery Pack



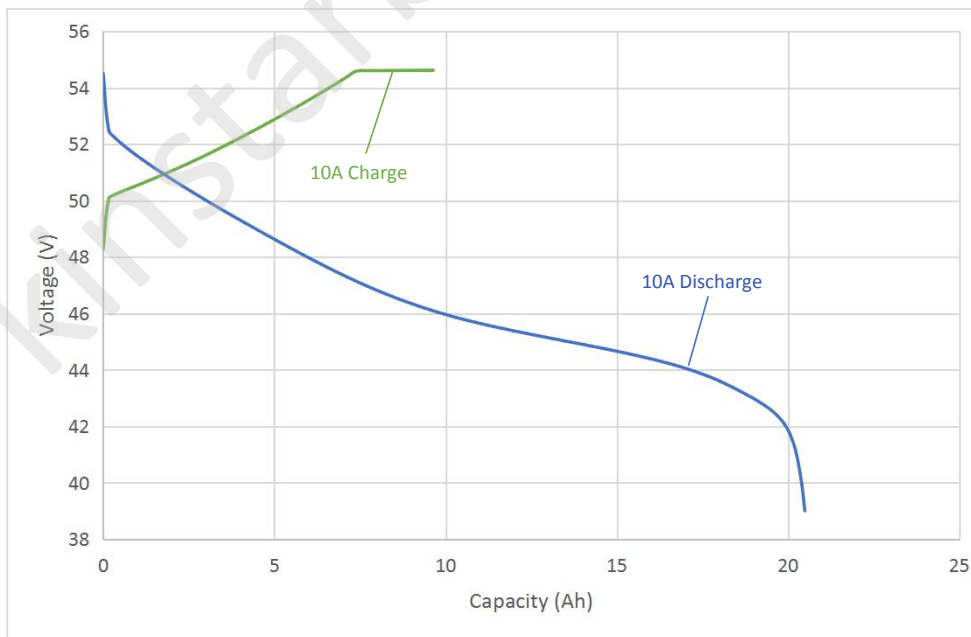
BMS Specifications

Number Of Cluster	13S
Charge And Discharge Port	Same
Max. Allowed Charge Current	25A
Max. Continuous Discharge Current	25A
Overcharge Protection Voltage	55.25 ± 0.25V
Overdischarge Protection Voltage	35.75 ± 0.80V
Overload Protection Current	55 ± 10A
Overheat Protection Temperature	65°C
External Shortcircuit Protection	Available

Test Conditions and Results

Test	Conditions	Test Result
10A Discharge To	39V	20.49Ah

Typical discharge profiles (10A - 0.5C rate)



Preliminary specifications, performance may vary depending on use conditions and application. KinStar makes no warranty explicit or implied with this test report. Contents subject to change without notice.